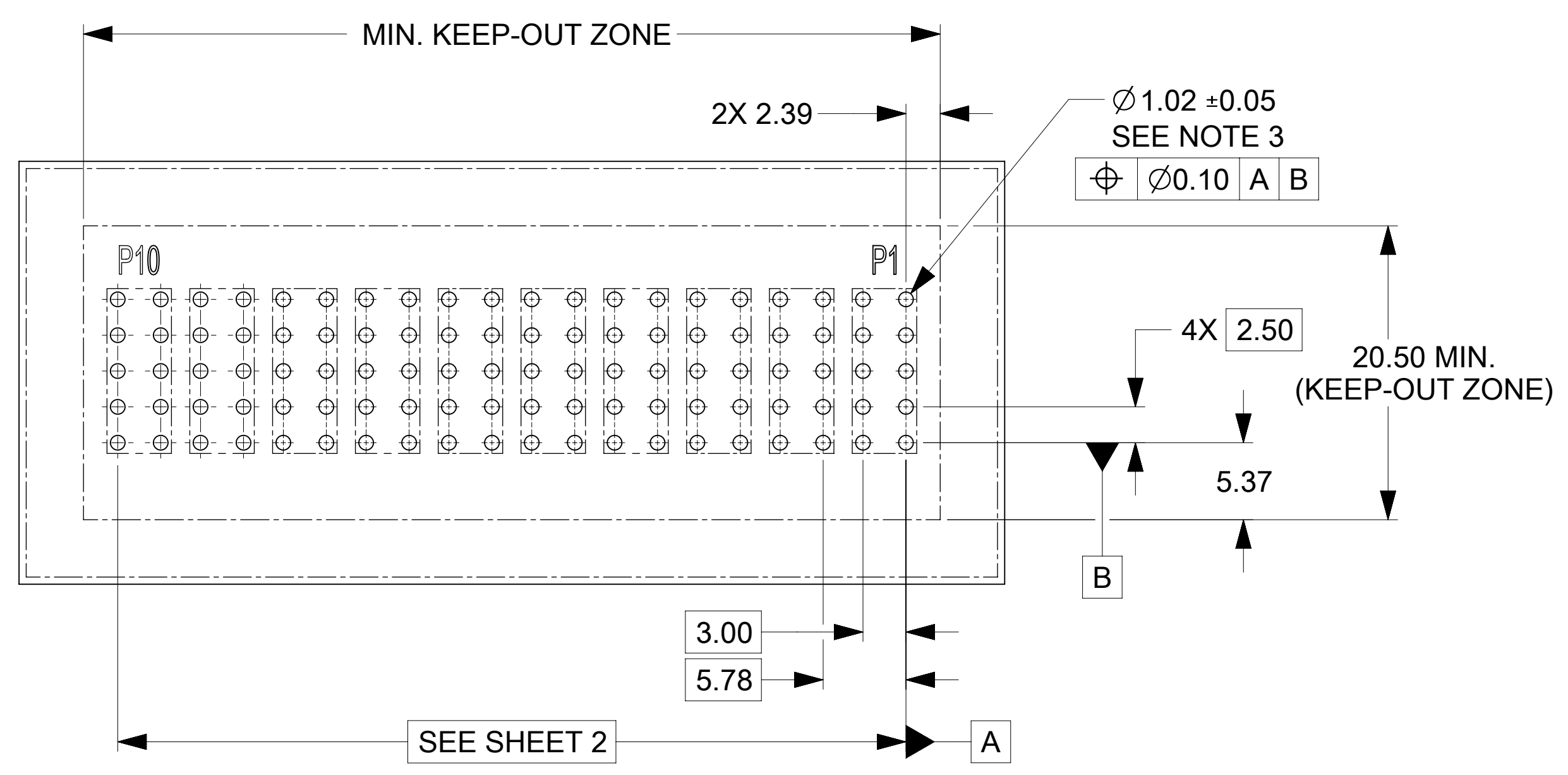


PLUG MATED TO VERTICAL RECEPTACLE MATED PROFILE

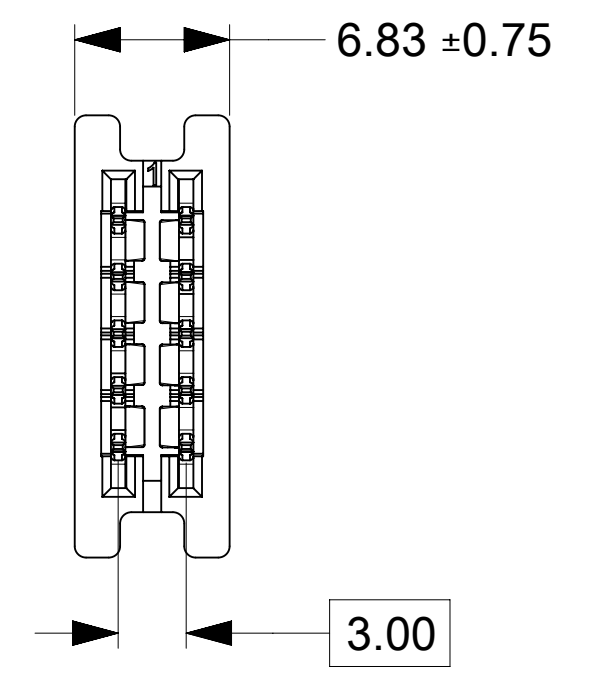


- NOTES:
- MATERIAL:
 - HOUSINGS: LCP UL94, V-0, COLOR : BLACK
 - TERMINALS: HIGH CONDUCTIVITY COPPER ALLOY
 - PLATING: 1.27 µm (50 µin) NICKEL OVERALL WITH
2.54 µm (100 µin) SELECTIVE TIN ON TAILS AND
0.762 µm (30 µin) SELECTIVE GOLD ON CONTACT AREA
 - PACKAGING: ASSEMBLIES TO BE TRAY PACKED PER PACKAGING SPEC: 2141140001-PK.
 - PLATED THRU HOLE SIZE, REFER TO PRODUCT SPEC. FOR DETAILS.
 - PRODUCT SPEC: 2141130000-PS.
 - PRODUCT TO MEET RoHS REQUIREMENTS.
 - VERTICAL ASSEMBLY MATES TO MOLEX PLUG 219562XXXX-SD, SEE DRAWING FOR DETAILS.
 - TAIL DESIGN: COMPLIANT PIN.
 - POWER TERMINALS ARE LUBRICATED.
 - APPLICATION SPECIFICATION: 2141130000-AS (FOR COMPLIANT TAILS ONLY).

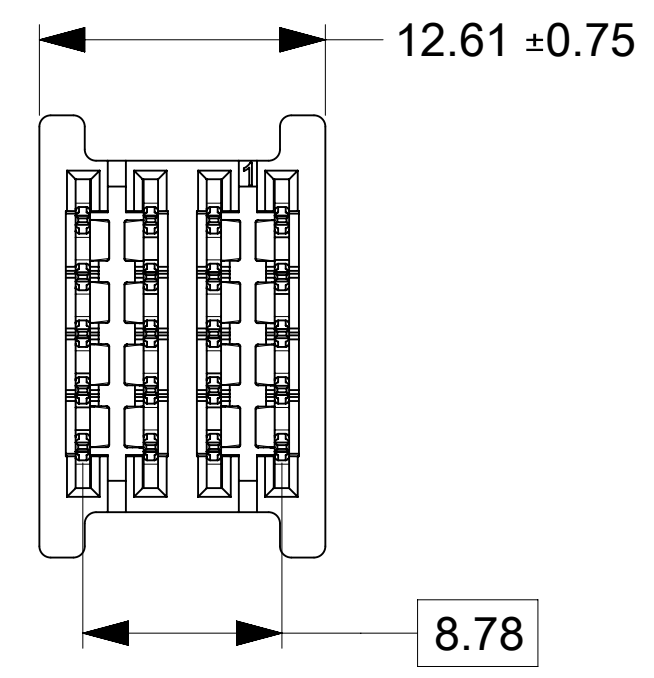
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS mm		SCALE 3:1		CURRENT REV DESC:					
GENERAL TOLERANCES (UNLESS SPECIFIED)				molex GUARDIAN HD VREC POWER ONLY UNGUIDED PF PRODUCT CUSTOMER DRAWING					
ANGULAR TOL ± °									
4 PLACES ±		EC NO: 745288							
3 PLACES ±		DRWN: LZABJANOVSKI 2023/03/23							
2 PLACES ± 0.25		CHK'D: JAYK1 2023/04/10							
1 PLACE ± 0.3		APPR: JAYK1 2023/04/10							
0 PLACES ±		INITIAL REVISION:							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: LZABJANOVSKI 2022/03/30		2022/08/04		2022/08/04		2022/08/04	
THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
D-SIZE		219563		SEE CHART		SEE CHART		SEE CHART	
DOCUMENT STATUS		P1		RELEASE DATE		2023/04/11 17:05:26		SHEET NUMBER	
19		18		17		16		15	

RECOMMENDED PCB LAYOUT AND KEEP-OUT ZONE

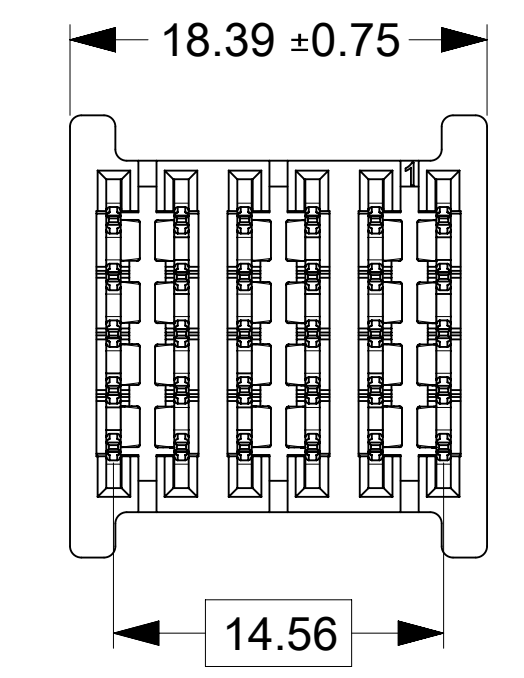
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0031	1P	820



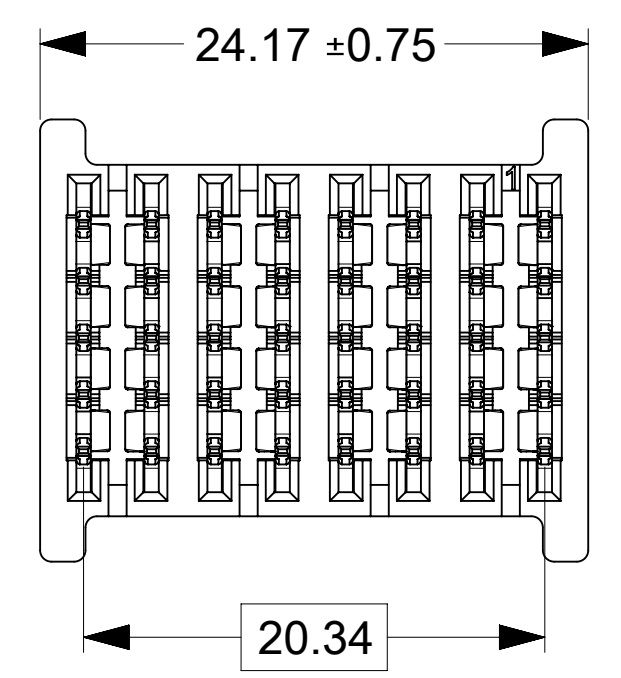
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0032	2P	440



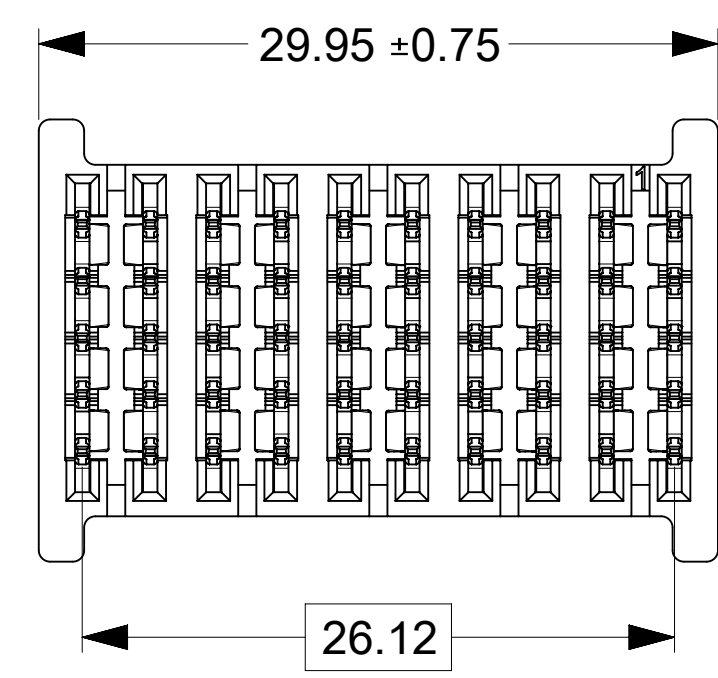
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0033	3P	300



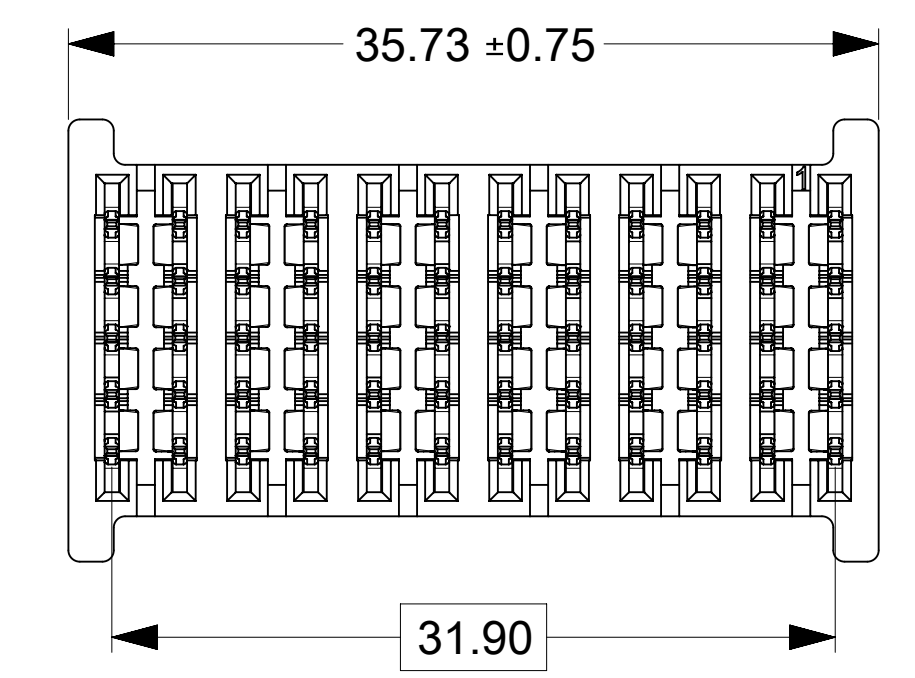
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219563-0034	4P	220



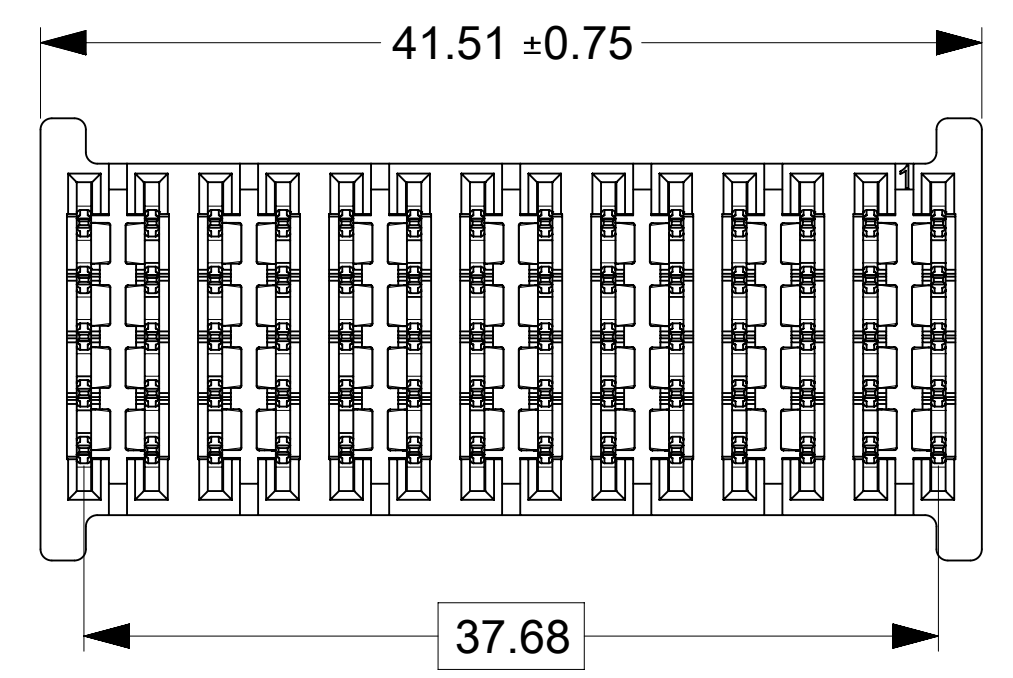
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0035	5P	180



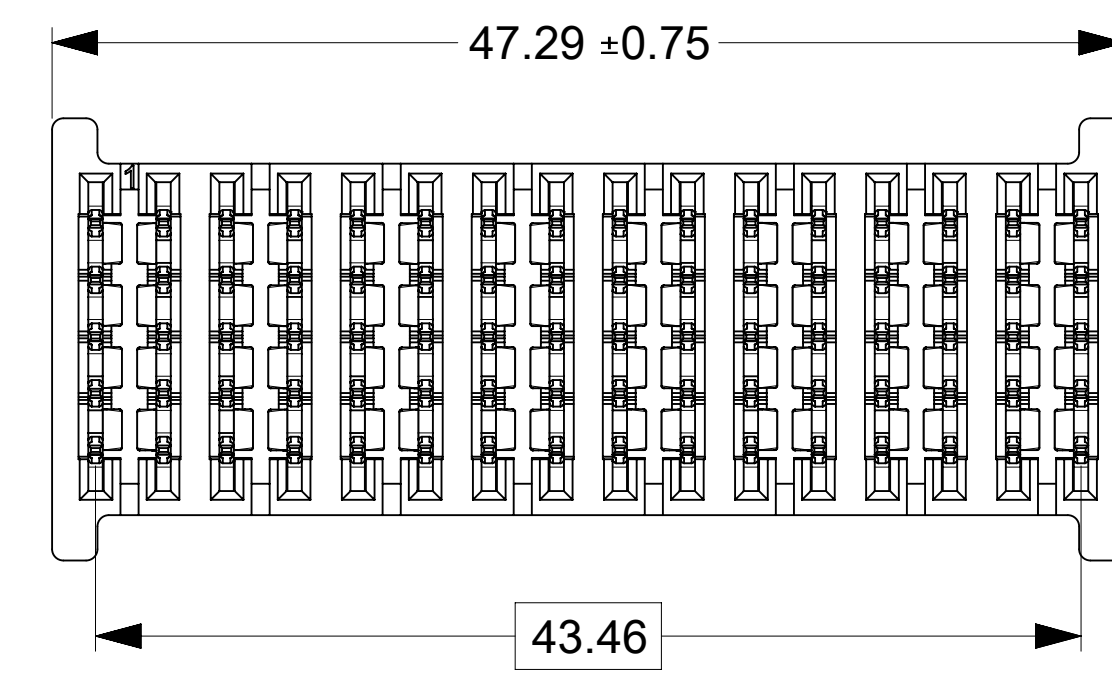
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219563-0036	6P	140



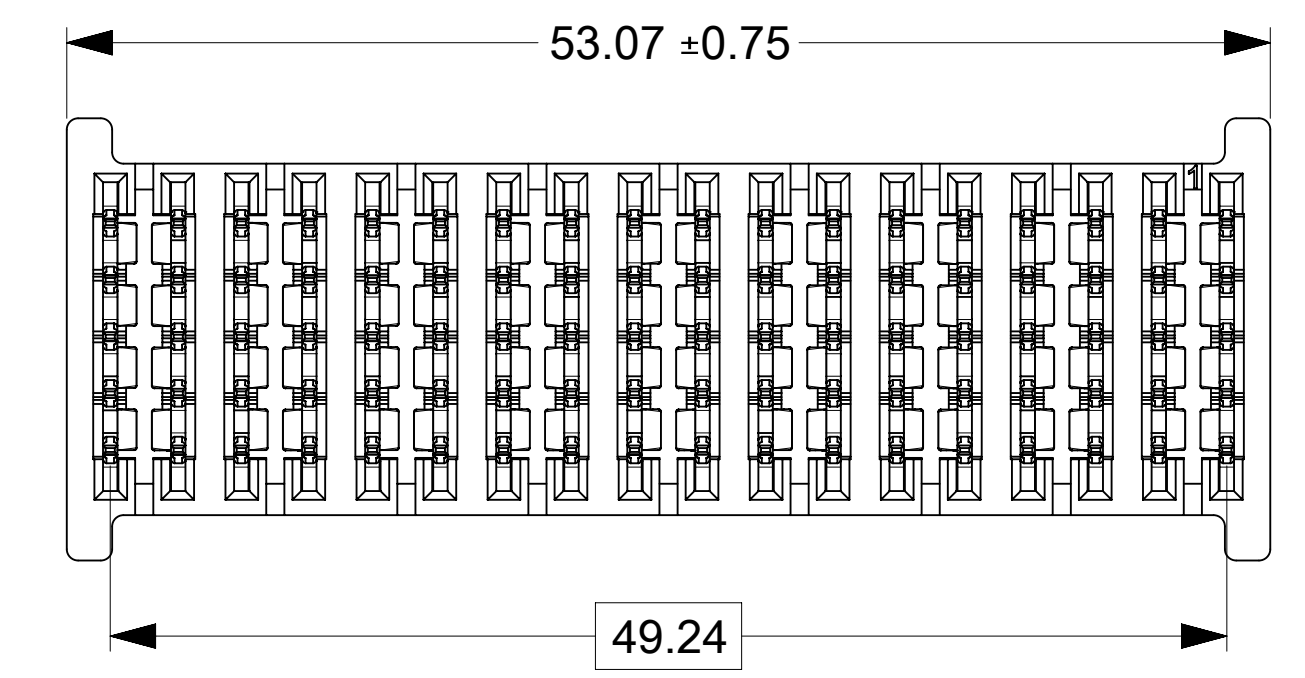
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219563-0037	7P	120



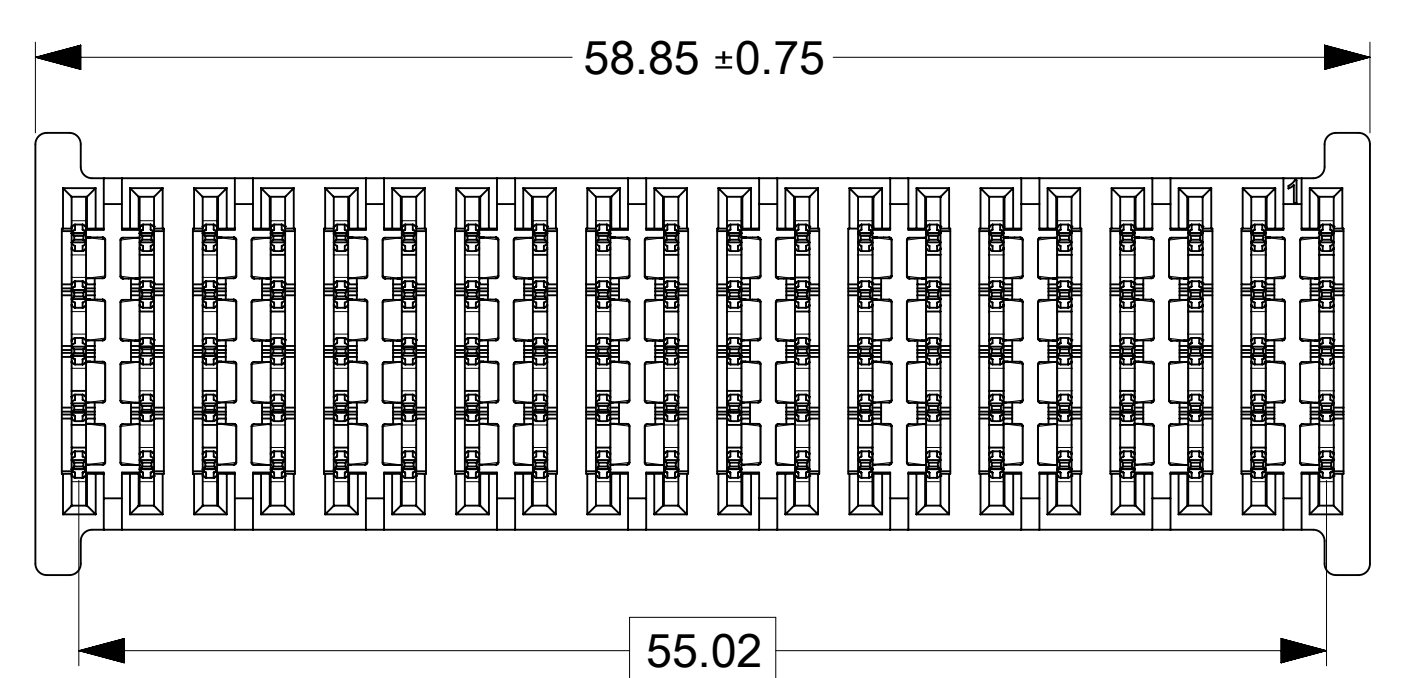
PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0038	8P	100



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0039	9P	100



PART NUMBER	CONFIGURATION	QUANTITY PER CARTON (DU)
219563-0040	10P	80



*** VIEWS SHOWN ON THIS SHEET ARE FROM THE BOTTOM OF THE CONNECTOR**

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DIMENSION UNITS		SCALE		CURRENT REV DESC:							
mm		3:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL ± °											
4 PLACES ±		3 PLACES ±		2 PLACES ± 0.25		1 PLACE ± 0.3		0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
EC NO: 745288		DRWN: LZABJANOVSKI		2023/03/23		CHK'D: JAYK1		2023/04/10		APPR: JAYK1	
INITIAL REVISION:		DRWN: LZABJANOVSKI		2022/03/30		APPR: BPISZCZOR		2022/08/04		THIRD ANGLE PROJECTION	
DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		D-D-SIZE 219563	
SEE CHART		SEE CHART		SEE CHART		SEE CHART		SEE CHART		SEE CHART	
DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION			
2195639003-SD				PSD		000		A2			
DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION			
2195639003-SD				PSD		000		A2			

molex

GUARDIAN HD VREC POWER ONLY
UNGUIDED PF

PRODUCT CUSTOMER DRAWING

DOCUMENT STATUS	P1	RELEASE DATE	2023/04/11	17:05:26
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